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Please find attached the **Summary of Communicable Diseases for the Month of February 2006**. This report reflects the number of cases of reportable communicable diseases for which individuals in Manitoba tested positive* during the month of February 2006.

Communicable Diseases

In total, there were **304** new infections occurring across 20 communicable diseases** (excluding sexually transmitted infections and HIV) in February 2006. The observed number of cases were within the expected range for most of the reported communicable diseases with the exception of Methicillin resistant staphylococcus aureus (MRSA; 123 cases observed; expected range = 0-92 cases). The expected number of cases and accompanying range is based on the number of cases during January, February, and March 2001-2005.

MRSA and Clostridium difficile continue to account for the bulk (i.e., over 70%) of all non-STI/HIV related communicable diseases reported to Manitoba Health. Both MRSA and C. difficile tend to be concentrated in the 60+ age group, although cases of MRSA are observed in all age groups.

Sexually Transmitted Infections & Blood-Borne Pathogens

There were **446** cases of sexually transmitted infections (chlamydia, gonorrhoea, and syphilis) in February: 301 cases of chlamydia (Ct), 91 cases of gonorrhoea (GC), 49 GC-Ct co-infections, and 5 cases of syphilis. More than 60% of all GC and Ct cases in the province were reported among youth aged 15-24 years. About half of all GC and Ct cases were reported for individuals living in the Winnipeg health region (51.7%), and an additional 19.0% were from the Burntwood health region.

In February **18** individuals tested positive for hepatitis C (HCV), most of who were reported from the Winnipeg health region. Two-thirds of cases were reported in males, mostly in the 40-59 year age groups.

Nine Manitobans tested positive for HIV in February 2006; five of these new cases were among females.

*Note: Data for the monthly summary are aggregated based on the earliest of: symptom onset date, specimen collection date, or report date. For the majority of cases, the date used will be the specimen collection date.

**Note: The following communicable diseases are reportable to the Director of Communicable Disease Control for surveillance purposes, and are not reported out for public health follow-up:

ascariasis (ICD9: 127.0)
clostridium difficile (ICD9: 558.2)
leishmaniasis – unspecified (ICD9: 085.9)
methicillin or vancomycin resistant staphylococcus aureus (MRSA/VRSA)
penicillin-resistant streptococcus pneumoniae (ICD9: 481.9)
schistosomiasis (ICD9: 120)
streptococcus pneumoniae – other site (ICD9: 041.2)
strongyloides (ICD9: 127.2)
vancomycin resistant enterococci (VRE)
tuberculosis (ICD9: 013, 011, 010 – cases and contacts of tuberculosis are managed by the Provincial Tuberculosis Control Programme located at the Health Sciences Centre)

Cheers,

Dr. Carole Beaudoin
Epidemiologist, Communicable Diseases

SUMMARY OF COMMUNICABLE DISEASE FOR February 2006

ICD9	DISEASE/INFECTION	MONTHLY TOTAL				YEAR-TO-DATE	
		2005	2006	Expected*	Ex. Range**	2005	2006
006.9	AMEBIASIS	4	2	3	0-6	6	3
022	ANTHRAX				***		
127.0	ASCARIASIS			0	0-0		
005.8	B. CEREUS			0	0-1		
320.82	BAC. MENINGITIS - E.COL			0	0-0		
320.0	BAC. MENINGITIS - HAEM			0	0-0		
320.9	BAC. MENINGITIS - OTHER			0	0-1		
320.1	BAC. MENINGITIS - PNEUM			1	0-4	1	
320.3	BAC. MENINGITIS - STAPH			0	0-1		
320.2	BAC. MENINGITIS - STREP			0	0-1		
320.7	BAC.MENINGITIS-LISTERIA				***		
005.1	BOTULISM				***		
023	BRUCELLOSIS			0	0-0		
005.2	C. PERFRINGENS		1	1	0-3	1	2
008 43	CAMPYLOBACTER	15	7	14	7-21	31	17
558.2	CLOSTRIDIUM DIFFICILE	8	100		***	8	213
046.1	CREUTZFELD-JACOB DISEASE				***		
007.8	CRYPTOSPORIDIOSIS		1	1	0-3		3
065.4	DENGUE FEVER			0	0-1		
V02.4	DIPH.CARRIERS			0	0-0		
032	DIPHTHERIA CASES			0	0-0		
123.4	DIPHYLLOBOTHRIUM SPP	1		0	0-1	1	
008.0	E. COLI-VEROTOXIGENIC	1		4	0-10	4	4
054.3	ENCEPHALITIS			0	0-1		
005.9	FOOD POISONING OTHER			0	0-1		
007.1	GIARDIA LAMBLIA	4	15	10	2-18	8	22
041.5	H.I.B.-NON MTGS			0	0-2		
480.8	HANTA VIRUS			0	0-0		
283.11	HEMOLYTIC UREMIC SYNDROME			0	0-0		
070.1	HEPATITIS A	2	2	2	0-4	3	3
070.3	HEPATITIS B		1	0	0-1		1
070.51	HEPATITIS C	29	18	44	25-63	70	44
054.8	HERPES-W-UNSPEC COMPL		1	0	0-0		3
A83.0	JAPANESE ENCEPHALITIS				***		
482.83	LEGIONELLA	1		0	0-1	2	
085.9	LEISHMANIASIS			0	0-0		
030.9	LEPROSY			0	0-1		
027.0	LISTERIA MONOCYTOGENES			0	0-1		
088.81	LYME DISEASE			0	0-0		
084	MALARIA			1	0-3		2
055.9	MEASLES			0	0-1		
036.0	MENINGOCOCCAL CSF	1		1	0-3	1	1
036.82	MENINGOCOCCAL ARTHROPATH				***		
036.2	MENINGOCOCCEMIA BLOOD			1	0-3	2	
B95.6	MRSA/VRSA	76	123	43	0-92	152	252
072.9	MUMPS			0	0-1		1
036.89	N.MENINGITIDIS OTHER		1	0	0-1		2
728.86	NECROTIZING FASCIITIS		1	0	0-2		4
729.1	NECROTIZING MYOSITIS				***		
323.9	OTHER ENCEPHALITIS			0	0-0		
033.1	PARAPERTUSSIS				***		
002.9	PARATYPHOID			0	0-1		
027.2	PASTEURELLA MULTOCIDA				***		
033.0	PERTUSSIS	3		3	0-9	11	4
038.2	PNEUM. SEPTICEMIA	7	7	6	0-12	15	10
073.9	PSITTACOSIS			0	0-1		

* Mean of 15 month totals, from previous, comparable and subsequent months for the past 5 years

** Mean +/- 2 standard deviations of mean

*** Data collected for less than 5 years.

		MONTHLY TOTAL				YEAR-TO-DATE	
ICD9	DISEASE/INFECTION	2005	2006	Expected*	Ex. Range**	2005	2006
083.0	Q FEVER			0	0-1		
331.81	REYE'S SYNDROME				***		
391	RHEUMATIC FEVER			0	0-1		
056.9	RUBELLA			0	0-0		
771.0	RUBELLA CONGENTIAL			0	0-0		
041.2	S.PNEUM.OTHER	1		1	0-4	1	
003.0	SALMONELLA	7	10	14	4-24	20	27
120	SCHISTOSOMIASIS			0	0-0		
004	SHIGELLOSIS	1	1	2	0-4	3	2
005.0	STAPHYLOCOCCAL			0	0-1		
785.5	STAPHYLOCOCCUS AUREUS				***		
481.9	STREP PNEUMONIA - PR			0	0-0		
711.0	STREP.PNEUM.ARTHRITIS			0	0-1		
580.0	STREPT GLOMERULONEPHRITIS			0	0-0		
040.89	STREPT TOXIC SHOCK			0	0-1		
481	STREPTOCOCCUS PNEUMONIAE			0	0-1		
127.2	STRONGYLOIDES			0	0-0		
037	TETANUS			0	0-0		
130.9	TOXOPLASMOSIS			1	0-4		
124	TRICHINOSIS			0	0-0		
086	TRYPANOSOMA CRUZI			0	0-0		
013	TUBERCULOSIS - NON-RESP.	1	3	1	0-3	3	4
011	TUBERCULOSIS - RESP.	5	5	6	2-10	14	9
010	TUBERCULOSIS-PRIM.			1	0-3		
021.9	TULAREMIA			0	0-0		
002.0	TYPHOID			0	0-0		
081.9	TYPHUS			0	0-0		
B96.8	VANCOMYCIN R. ENTEROCOCCI	4	4		***	10	9
005.4	VIBRIO PARAHAEMOLYTICUS				***		
070.59	VIRAL HEP. OTHER				***		
047.0	VIRAL MENINGITIS-COXSACK			0	0-1		
047.1	VIRAL MENINGITIS-ECHO			0	0-1		
047.8	VIRAL MENINGITIS-ENTERO				***		
054.72	VIRAL MENINGITIS-H SIMP			0	0-1		
047.9	VIRAL MENINGITIS-UNSPEC			0	0-1		
062.1	W. EQUINE ENCEPHALITIS			0	0-0		
196	WNV ASYMPTOMATIC INFECTION				***		
198	WNV NEUROLOGICAL SYNDROME				***		
197	WNV NON-NEUROLOGICAL SYND				***		
066.3	WNV UNCLASSIFIED				***		
008.44	YERSINIA ENTEROCOLITICA		1	1	0-2	1	1
		171	**304**			**368**	**643**

* Mean of 15 month totals, from previous, comparable and subsequent months for the past 5 years

** Mean +/- 2 standard deviations of mean

*** Data collected for less than 5 years.

SUMMARY OF COMMUNICABLE DISEASE BY AGE AND GENDER FOR February 2006

		<1		1 - 4		5 - 9		10 - 14		15 - 19		20 - 24		25 - 29		30 - 39		40 - 49		50 - 59		60 +		Missing age/gender	Total
ICD9	Disease Name	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M		
006.9	AMEBIASIS							1									1								2
005.2	C. PERFRINGENS																						1		1
008.43	CAMPYLOBACTER				1	1									1		1		2	1					7
558.2	CLOSTRIDIUM DIFFICILE	2	1									2				1		5	4	5	5	41	34		100
007.8	CRYPTOSPORIDIOSIS			1																					1
007.1	GIARDIA LAMBLIA	1		1	1		1			1						1	3	1		3	1	1			15
070.1	HEPATITIS A														1						1				2
070.3	HEPATITIS B											1													1
070.51	HEPATITIS C											1			1	2	2	1	5	1	3		1	1	18
054.8	HERPES-W-UNSPEC COMPL		1																						1
B95.6	MRSA/VRSA	3	3	6	4	1	6	5	1	3	1	2		4		2	5	5	6	5	4	26	31		123
728.86	NECROTIZING FASCIITIS																					1			1
036.89	NEISSERIA MGTS(0ther)																						1		1
003.0	SALMONELLA			1						1						2		4			1		1		10
004	SHIGELLOSIS												1												1
038.2	STREP.PNEUMOCOCCAL SEPTIC																	2			1	2	1	1	7
013	TUBERCULOSIS - NON-RESP.																		1	1		1			3
011	TUBERCULOSIS - RESP.											1	1			1			1		1				5
B96.8	VANCOMYCIN RES. ENTER.																	1				2	1		4
008.44	YERSINIA ENTEROCOLITICA	1																							1
		7	5	9	6	2	7	6	1	5	1	7	2	4	3	9	12	19	19	16	17	74	71		304

SUMMARY OF COMMUNICABLE DISEASE BY REGION (RHA) FOR February 2006

ICD9	Disease/Infection	Winnipeg	Brandon	N.Eastman		S.Eastman		Interlake		Central		Assiniboine		Parkland		Norman		Burntwood		Churchill	OOP	Missing	TOTAL
*Case Referred to:**				*F*	*P*	*F*	*P*	*F*	*P*	*F*	*P*	*F*	*P*	*F*	*P*	*F*	*P*	*F*	*P*				
006.9	AMEBIASIS	1									1												2
005.2	C. PERFRINGENS						1																1
008.43	CAMPYLOBACTER	3					1		2				1										7
558.2	CLOSTRIDIUM DIFFICILE	66	3		1		3		3		8		7		7		1		1				100
007.8	CRYPTOSPORIDIOSIS										1												1
007.1	GIARDIA LAMBLIA	12					2								1								15
070.1	HEPATITIS A	2																					2
070.3	HEPATITIS B	1																					1
070.51	HEPATITIS C	15	1					1			1												18
054.8	HERPES-W-UNSPEC COMPL																	1					1
B95.6	MRSA/VRSA	58	1	1	1				4		1		7		5	5	6	27	6			1	123
728.86	NECROTIZING FASCIITIS	1																					1
036.89	NEISSERIA MGTS(0ther)	1																					1
003.0	SALMONELLA	5	1				1		1		2												10
004	SHIGELLOSIS	1																					1
038.2	STREP.PNEUMOCOCCAL SE PTIC	5							1								1						7
013	TUBERCULOSIS - NON-RESP.	2		1																			3
011	TUBERCULOSIS - RESP.	2																3					5
B96.8	VANCOMYCIN RES. ENTER.	2									1				1								4
008.44	YERSINIA ENTEROCOLITICA	1																					1
		178	**6**	**2**	**2**		**8**	**1**	**11**		**15**		**15**		**14**	**5**	**8**	**31**	**7**			**1**	**304**
Missing Investigation Forms (02/01/2005 - 01/31/2006)		136	10	2	2		9	5	1	1	9		39		1		4	3	3		2	1	228

* F=Federal Jurisdiction (includes First Nations and Inuit Health Branch and Stony Mountain Penitentiary) P=Provincial Jurisdiction

STD Infection Summary Report - February 2006

	MONTHLY TOTAL		YEAR-TO-DATE	
DISEASE/INFECTION	**2005**	**2006**	**2005**	**2006**
All Chlamydia Infections	319	350	636	726
All Gonorrhea Infections (including PRNG)	83	140	150	289
All Syphilis Infections	11	5	14	11
Gonorrhea & Chlamydia Co-infections	44	49	73	94
Penicillin Resistant Gonorrhea Infections (PRNG)				
Suspect PRNG				
HIV	9	9	18	19

Total Number of STD Cases by Age and Gender - February 2006

	<1		1 - 4		5 - 9		10 - 14		15 - 19		20 - 24		25 - 29		30 - 39		40 - 49		50 - 59		60 +		Missing age/gender	Total
Disease Name	**F**	**M**	**F**	**M**	**F**	**M**	**F**	**M**	**F**	**M**	**F**	**M**	**F**	**M**	**F**	**M**	**F**	**M**	**F**	**M**	**F**	**M**		
Chlamydia Only Cases							5		66	26	62	46	30	30	12	13		9		1			1	301
Gonorrhea Only Cases							1		7	7	14	11	3	12	5	8	2	12	1	3	2	3		91
Syphilis Only Cases														1	1			2				1		5
GC and CT Cases							1		12	7	10	7	1	5	2	2	1	1						49
							7		85	40	86	64	34	48	20	23	3	24	1	4	2	4		446
HIV											1		1	1	3	2		1						9

Regional STD Distribution - February 2006

Disease/Infection	**Winnipeg**	**Brandon**	**N.Eastman**		**S.Eastman**		**Interlake**		**Central**		**Assiniboine**		**Parkland**		**Norman**		**Burntwood**		**Churchill**	**OOP**	**Missing**	**TOTAL**
Case Referred to:*			***F***	***P***	***F***	***P***	***F***	***P***	***F***	***P***	***F***	***P***	***F***	***P***	***F***	***P***	***F***	***P***				
All Chlamydia Infections	169	13	11	11		8	2	12		15		6	2	9	6	12	53	18	1	2		350
All Gonorrhea Infections	81	3	7	2				4		4		1	1		1	4	22	7		1	2	140
All Syphilis Infections	4																			1		5
GC and CT Infections	22	1	3	1				1		2		1			1	1	11	5				49

Missing Investigation Forms (02/01/2005 - 01/31/2006)																					
	160	18	12	5		3	3	13	1	9		12	1	7	2	16	33	7		2		304

* F=Federal Jurisdiction (includes First Nations and Inuit Health Branch and Stony Mountain Penitentiary) P=Provincial Jurisdiction